

E286 Engine Model Year 2021B and later PACCAR MX-11 & MX-13 Fuel Injector Adjustment During First C Service

 [Edit](#)  [Clone](#)

Number

E286

Section

Engine - 45

Subject

Engine Model Year 2021B and later PACCAR MX-11 & MX-13 Fuel Injector Adjustment During First C Service

Date

3/22/2022

Condition

Engine Model Year (EMY) 2021B and later MX-11 and MX-13 engines need an injector recalibration at the first C service. (150k miles for line haul or 60K miles for Vocational / Severe Duty / Refuse / Delivery)

Chassis Affected

All Model Year 2022 Model 365, 389, 520, 567, and New Model 579 chassis equipped with Engine Model Year 2021B and later MX-11 & MX-13 engines.

Action

If a customer comes into your dealership and requests this calibration as part of the first C service, follow the procedures below to recalibrate the fuel injectors.

If the chassis is beyond its first C service interval, this test should be performed at or before the next scheduled service.

E286 will show as completed in SIR after a claim is processed.

Warranty

Through Standard Warranty or any applicable active Extended Warranty, Peterbilt will pay for applicable labor. Please refer to the attached glovebox card (Y53-1326-1A1) for specific coverage time limits.

For Dealers using the PRWS Warranty Application, select the Quick Claim from the Recommended Repair section.

- 0.4 hours labor to calibrate Injectors using DAVIE4, no engine (PCI-2) software update required. Use Quick Claim Code E286A.
- 0.8 hours labor to update engine (PCI-2) software and calibrate Injectors using DAVIE4. Use Quick Claim Code E286B.
 - E286B only available if engine (PCI-2) software requires an update as described in Step 4 in the Procedure Section.
 - Claim story must include engine (PCI-2) software version before and after update.
 - Claim code E286B only applies to chassis built prior to 01/10/2022

- This bulletin only applies to the injector recalibration task performed during the first C service.
- File the claim within 14 days in accordance with the Warranty Policy

PRWS CLAIM CODING			
Campaign Code:	E286	Campaign Type	Non-Campaign
Claim Category:	Engine	Repair Type	Fix As Fail
Customer Concern Code	147	Causal Code	21
Corrective Action Code	53	Responsibility Code:	Camp
Failure Location	044-004-001	Causal Part	2314737PEX
Supplier Code	N/A	SRT Code	B44-003 0.4 hrs E286 Injector Calibration per Bulletin Procedure 045-969 0.4 hrs Update PCI-2 software

Parts

Software Only – No parts required

Background

An injector calibration check has been added to the first C service (150k miles for line haul or 60K miles for Vocational / Severe Duty / Refuse / Delivery) for all Engine Model Year 2021B and later MX engines. Mileage and hour recommendations for C service have not changed. This injector calibration is to ensure the MX engines run at designed efficiency and power levels.

Procedure

Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained.

Refer to [E282](#) for identification of EMY2021B engines. EMY2021A engines do not require this procedure.



NOTE

Before beginning this procedure, complete all other tasks in the C service (150k miles for line haul or 60K miles for Vocational / Severe Duty / Refuse / Delivery) according to RMI and Service Manuals.

This calibration procedure only needs to be completed at the vehicle's FIRST C service. (See RMI "Maintenance Activities" chart, Note 5)

Ensure that your DAVIE4 version is at the latest available version.

1. Start engine to warm up to operating temp. (coolant above 122°F / 50°C)
2. Visually check fuel system for leaks while engine is running.
3. Connect DAVIE4.
4. In DAVIE4, navigate to the **Verify the Injector Calibration** test under **Repair Support**.
 - If the Injector calibration test is not available in DAVIE4, the PCI software needs to be updated to the latest available version.
 - Update the engine software if necessary. **Ensure DAVIE4 is up-to-date**. Refer to bulletin [E134](#) for information about programming a PACCAR MX engine.
5. Run the **Verify the Injector Calibration** test.
6. Engine must be running (idle) and at operating temperatures. (coolant over 122°F/50°C)
7. Engine will run up to 1200RPM until the test completes.
8. DAVIE will show results for each injector.
 - Service is run successfully, and compensation is applied.
 - Any other messages in DAVIE4 are listed in RMI along with corrective actions.
9. Shut down engine and disconnect DAVIE4.

Links

[Y53-1326-1A1 Fuel Injector Maintenance](#)